Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/619,303              | TAMAKI ET AL.                           |
| Examiner                | Art Unit                                |

2828

|   | Rejected | _ | (Through numeral)<br>Cancelled |  | N | Non-Elected  | Α | Appeal   |
|---|----------|---|--------------------------------|--|---|--------------|---|----------|
| : | Allowed  | + | Restricted                     |  | _ | Interference | 0 | Objected |

James A. Menefee

| Cla  | aim      | Τ            |          | Date     |          |  |  |          |          | Cla      | aim      | Date     |                 |          |                         |         |          |                 |          | Cla      | im  | Date     |            |          |                     |                |          |           |          |          |          |   |
|--|----------|--------------|----------|----------|----------|--|--|----------|----------|----------|----------|----------|-----------------|----------|-------------------------|---------|----------|-----------------|----------|----------|-----|----------|------------|----------|---------------------|----------------|----------|-----------|----------|----------|----------|---|
|  | <u></u>  | 9            |          |          |          |  |  |          |          |          | l _      | <u> </u> |                 |          | ١                       |         |          | Ш               | ı        |          |     | _        | ā          |          |                     |                |          |           |          |          |          |   |
| Final  | Original | 13           |          |          |          |  |  |          |          |          | Final    | Original |                 |          |                         |         |          | Ш               |          |          |     | Final    | Original   |          |                     |                |          |           |          |          |          |   |
| <u> </u>   | ō        | 185          |          |          |          |  |  |          |          | 1        | ш.       | ŏ        | 1               |          |                         |         |          | Ш               |          |          |     | ۳ ا      | ō          |          |                     |                |          |           |          |          |          |   |
| 1  | (1)      | =            | ┢        | $\vdash$ | ┢        | H  | ┢  | H        | t        | +        |          | 51       | Н               | $\dashv$ | ╅                       | +       | +        | H               | $\dashv$ | -        |     |          | 101        |          | ,                   |                |          |           |          | $\dashv$ | _        | _ |
| 2  | 2        |              | $\vdash$ | Г        | T        |  | 1  |          | T        | ╁┈       |          | 52       | П               |          | ┪                       | 1       | T        | П               | 十        | 1        |     |          | 102        |          |                     |                |          |           |          |          |          |   |
| 3  | 3        | =            |          |          |          |  |  |          |          |          |          | 53       |                 |          |                         |         |          |                 |          |          |     |          | 103        |          |                     |                |          |           |          |          |          |   |
| Y  | 4        | =            | _        | ᆫ        | L        |  | _  | L        | L        | ↓        | L        | 54       | Ц               | $\perp$  | $\perp$                 | $\perp$ | L        | Ш               | 4        | _        |     |          | 104        |          | Ш                   |                |          |           |          |          |          |   |
| 5  | 5        | Į≥           | <u> </u> | L        | <u> </u> | ļ  | <u> </u>   | ┡        | ┞        |          |          | 55       | Н               | $\dashv$ | 4                       | ╀       | ╄        |                 | -        | -        |     |          | 105        | _        | Н                   | -              | $\vdash$ |           |          | _        | _        | _ |
|  | 6<br>7   | ╀            | <u> </u> | ┡        | ⊢        | <del>                                     </del> |  | ┢        | ╀        |          |          | 56<br>57 | Н               | $\dashv$ | +                       | ╄       | ╆        | Н               | $\dashv$ | _        |     |          | 106<br>107 |          | $\vdash$            |                |          |           | _        |          | _        | _ |
| -  | 8        | ╁            |          | -        | $\vdash$ | ┢  | -  | ┢        | ┝        | ╁        |          | 58       | Н               | $\dashv$ | +                       | +       | ╁        | Н               | $\dashv$ | -        |     |          | 107        |          | $\vdash$            |                | -        |           |          |          | -        | _ |
|  | 9        | 十            | 一        | ┢╌       | ┢        | ╁╾   | -  | ╁┈       | t        | ╁╴       |          | 59       | Н               | $\dashv$ | +                       | +       | ╁        | H               | 十        | -[       |     |          | 109        |          | Н                   |                | _        |           |          | -        | _        | _ |
| -  | 10       | T            | Г        | Г        |          | T  |  | T        | ✝        | T        |          | 60       |                 | $\dashv$ | -                       | T       | ╁╌       | П               | 1        | -        |     |          | 110        |          | П                   |                |          |           |          | T        |          | _ |
|  | 11       | T            | Ι        |          |          | T  |  | Γ        | T        | 1        |          | 61       | П               | $\Box$   | 7                       | 1       | 1        | $\Box$          |          |          |     |          | 111        |          | П                   |                |          |           |          |          |          |   |
|  | 12       |              |          |          |          |  |  |          |          |          |          | 62       |                 |          | $oldsymbol{\mathbb{T}}$ | Τ       |          |                 |          |          |     |          | 112        |          |                     |                |          |           |          |          |          |   |
|  | 13       | $\perp$      | Ĺ        |          |          | 匚  |  | L        |          | L        |          | 63       |                 |          | $\perp$                 | L       | L        | Ц               |          | _[       |     |          | 113        |          | Ш                   |                |          |           |          |          |          |   |
| <u></u>  | 14       | ــــ         | <u> </u> | <u> </u> | <u> </u> |  | _  | $\vdash$ | ╄        | $\bot$   | <u> </u> | 64       | Ш               | $\dashv$ | 4                       | 4       | <b> </b> | $\sqcup$        | $\dashv$ | _        |     |          | 114        |          | Ш                   | Щ              | Ш        |           |          |          |          |   |
| -  | 15       | -            | <u> </u> |          |          | ┢  |  | <u> </u> | ┞        | -        | -        | 65       | H               |          |                         |         | ╂        | $\vdash$        | -        | -        |     |          | 115        |          | $\vdash$            | -              |          |           | _        |          | _        |   |
| -  | 16<br>17 | $\vdash$     | H        | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | ⊢        | $\vdash$ | +        | $\vdash$ | 66<br>67 | $\vdash$        | $\dashv$ | +                       | +       | ╂        | $\vdash \vdash$ | +        | -        |     |          | 116<br>117 | <u> </u> | $\vdash$            | $\vdash$       | Н        |           |          | $\dashv$ |          | _ |
| -  | 18       | $\vdash$     | H        | ┝        | ┢        | ┢  |  | ╁        | ╁        | +        | $\vdash$ | 68       | Н               | $\dashv$ | +                       | +       | $\vdash$ | Н               | +        | -        |     |          | 118        |          | Н                   |                |          |           |          | $\dashv$ |          | _ |
| $\vdash$   | 19       | H            |          | H        |          | ┢  |  | ┢┈       | t        | ╁        | $\vdash$ | 69       | Н               | $\dashv$ | +                       | +       | +        | H               | 十        | -        |     |          | 119        |          | Н                   |                |          |           |          | $\dashv$ |          | _ |
|  | 20       | <b>†</b>     |          |          |          |  |  | <b>†</b> | T        | 1        |          | 70       | П               | 1        | T                       | †       | T        | Ħ               | 1        |          |     |          | 120        |          | H                   |                |          |           |          | 1        |          |   |
|  | 21       | Г            |          |          | Г        |  |  |          | T        |          |          | 71       |                 | $\Box$   | $\top$                  | $\top$  |          | П               | 丁        |          |     |          | 121        |          | П                   |                |          |           |          |          |          |   |
|  | 22       |              |          |          |          |  |  |          |          |          |          | 72       |                 |          |                         | 1       |          |                 |          |          |     |          | 122        |          |                     |                |          |           |          |          |          |   |
|  | 23       | ╙            |          |          | <u> </u> |  | _  |          | L        | $\bot$   |          | 73       |                 | $\Box$   | 4                       | 1       | _        | Ш               |          | _        |     |          | 123        |          | Щ                   | $\Box$         |          |           |          |          |          |   |
| <u> </u>   | 24       | ⊢            | $\vdash$ | _        | ļ        | L  | <u> </u>   | ▙        | L        | ╄        |          | 74       | Ш               | Ц        | -                       | ╀       | <b> </b> | $\sqcup$        |          | -        |     |          | 124        |          | Н                   |                |          |           |          | _        |          | _ |
| $\vdash$   | 25<br>26 | ├            |          | <u> </u> | <u> </u> | $\vdash$   | ⊢  | ⊢        | ╀        |          | -        | 75       | Н               | $\perp$  | +                       | ╀       | ╀        | Н               | +        | -        |     |          | 125        |          | Н                   | - 1            |          | _         |          | $\dashv$ |          |   |
| -  | 27       | $\vdash$     | ├        | -        | ┝        | ⊢  | ┝  | ┢┈       | ┝        | +        |          | 76<br>77 | Н               | $\dashv$ | +                       | ╁       | ╁        | Н               | -        | -        | H   |          | 126<br>127 | _        | Н                   | $\dashv$       | -        | $\dashv$  | $\dashv$ |          | $\dashv$ | _ |
| <u> </u>   | 28       | $\vdash$     | -        |          | ┢        | f  | ┢  | H        | H        | ╁        |          | 78       | H               | +        | ╅                       | ╁       | ╁╌       | H               | +        | -        |     |          | 128        |          | Н                   | $\dashv$       | -        |           | $\dashv$ | $\dashv$ | $\dashv$ | _ |
| $\vdash$   | 29       | t            | Н        |          | Н        | Ħ  | Н  | t        | t        | +-       |          | 79       | Н               | $\dashv$ | 十                       | ╅       | ╁        | H               | -        | -18      | ŀ   |          | 129        |          | Н                   |                |          |           |          | $\dashv$ |          | _ |
|  | 30       | T            |          |          | Г        | Г  | ┢  | Т        | T        | T        |          | 80       | М               |          |                         | 1       |          | H               |          |          |     |          | 130        | -        |                     |                |          |           |          | 寸        |          |   |
|  | 31       |              |          |          |          |  |  |          |          |          |          | 81       |                 |          |                         |         |          |                 |          |          |     |          | 131        |          |                     |                |          |           |          |          |          | _ |
| L  | 32       | L            |          |          | <u> </u> |  | L  | L        | L        |          |          | 82       | Ш               |          |                         | $\perp$ | L        | Ц               | $\perp$  | _        |     |          | 132        |          |                     |                |          |           |          |          |          |   |
| <u> </u>   | 33       | <b>├</b>     | Ш        | <u> </u> | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | ┡        | -        |          | 83       | Ш               | $\dashv$ | 4                       | +       | ـ        | Ш               | $\dashv$ | 4        | 1   | -        | 133        | Щ        | $\sqcup$            | $\Box$         | Щ        | $\Box$    | Ц        | _        | _        |   |
| <u> </u>   | 34<br>35 | <del> </del> | Н        | -        | $\vdash$ | H  | ⊢  | $\vdash$ | ⊢        | +-       | $\vdash$ | 84<br>85 | ⊢⊦              | $\dashv$ | +                       | +-      | $\vdash$ | $\vdash \vdash$ | +        | $\dashv$ |     | $\dashv$ | 134<br>135 | _        | $\vdash \vdash$     |                | Н        | $\dashv$  | $\dashv$ |          |          |   |
| -  | 36       | H            | $\vdash$ | _        | $\vdash$ | H  | $\vdash$   | ┢        | ┢        | ╁        |          | 86       | ┝╌╢             | $\dashv$ | +                       | ╫       | ╁        | H               | $\dashv$ | -        |     |          | 136        | -        | $\vdash$            | -              | $\dashv$ | $\dashv$  | $\dashv$ | -        | $\dashv$ | _ |
|  | 37       | $\vdash$     | Н        |          | $\vdash$ | H  | $\vdash$   | $\vdash$ | ┢        | +        | $\vdash$ | 87       | $\vdash$        | +        | +                       | +       | $\vdash$ | Н               | $\dashv$ | $\dashv$ |     | -+       | 137        | Н        | Н                   |                | Н        | $\dashv$  | $\dashv$ | $\dashv$ |          | — |
|  | 38       | t            |          |          | H        | H  | <del>                                     </del> | $\vdash$ | T        | $\top$   |          | 88       | Н               | $\dashv$ | +                       | $\top$  | T        | H               | $\dashv$ | $\dashv$ | ŀ   |          | 138        | Н        | Н                   | $\neg$         | $\dashv$ | $\exists$ | $\dashv$ | $\dashv$ |          | _ |
|  | 39       |              |          |          |          |  |  |          | Γ        | I        |          | 89       | П               |          | ⇈                       | 1       | L        | П               | _†       |          |     |          | 139        |          |                     |                |          |           |          | 丁        |          | _ |
|  | 40       |              |          |          |          |  |  |          |          |          |          | 90       |                 |          | $\perp$                 |         |          |                 |          |          |     |          | 140        |          |                     |                |          |           |          |          |          | _ |
|  | 41       | L            | Ш        | _        |          | Ш  |  | Ľ        | Ĺ        |          |          | 91       | Ш               | $\dashv$ |                         |         | _        | П               | $\bot$   | _[       |     |          | 141        |          | Ш                   |                | $\Box$   |           | $\Box$   | _Ţ       |          | _ |
| <u> </u>   | 42       | Ш            | Щ        | _        |          |  |  | <u> </u> | ┡        | $\perp$  |          | 92       | $\sqcup$        | $\dashv$ | 4                       | 4       |          | $\sqcup$        | _        | _[       |     |          | 142        |          | Ш                   | Ц              |          | _         |          | _        |          |   |
| <u> </u>   | 43       | $\vdash$     | Щ        | _        | _        | $\vdash$   | _  | -        | ⊢        | $\vdash$ |          | 93       | $\vdash \vdash$ |          | +                       | +       |          | $\sqcup$        | -        | 4        |     |          | 143        |          | Щ                   | $\blacksquare$ | Щ        | _         |          | _        | _        |   |
|  | 44<br>45 |              | Н        | _        | _        | $\vdash$   |  | -        | ⊢        | ╀        |          | 94<br>95 | $\vdash$        | $\dashv$ | +                       | ╬       | +-       | $\vdash \vdash$ | +        | -        | •   |          | 144<br>145 | _        | $\vdash \vdash$     |                | $\dashv$ |           | -        | $\dashv$ | $\dashv$ | _ |
| <del>                                     </del> | 45       | Н            | Н        | -        | _        | -  | _  | $\vdash$ | ╁        | ╁        |          | 96       | H               | $\dashv$ | +                       | ╁       | $\vdash$ | Н               | +        | +        | *   |          | 145        |          | ${oldsymbol{dash}}$ |                | -        | $\dashv$  |          |          | $\dashv$ | _ |
|  | 47       | $\vdash$     | H        |          | $\vdash$ | $\vdash$   | -  | ļ        | ✝        | T        |          | 97       | H               | $\dashv$ | +                       | +       | t        | H               | $\dashv$ | -        | 1   | -        | 147        |          | H                   |                | Н        | -         | -        | $\dashv$ | $\dashv$ | — |
|  | 48       | П            | Н        | _        |          | П  |  | l        | T        | T        |          | 98       | П               | 1        | ┰                       | $\top$  | T        | H               | +        | 1        | ľ   |          | 148        |          | H                   | _              |          | 7         | $\dashv$ | 一        | _        |   |
|  | 49       |              |          |          |          |  |  |          |          | Γ        |          | 99       |                 | コ        |                         | I       |          |                 | 丁        |          |     |          | 149        |          |                     | 寸              |          | $\exists$ |          |          |          |   |
| 1  | 50       |              |          |          |          |  |  |          | Γ        |          |          | 100      | Π               | T        |                         | T       |          | П               | T        | ۱        | ı [ |          | 150        |          | П                   | 一              | $\neg$   |           |          | T        |          |   |